

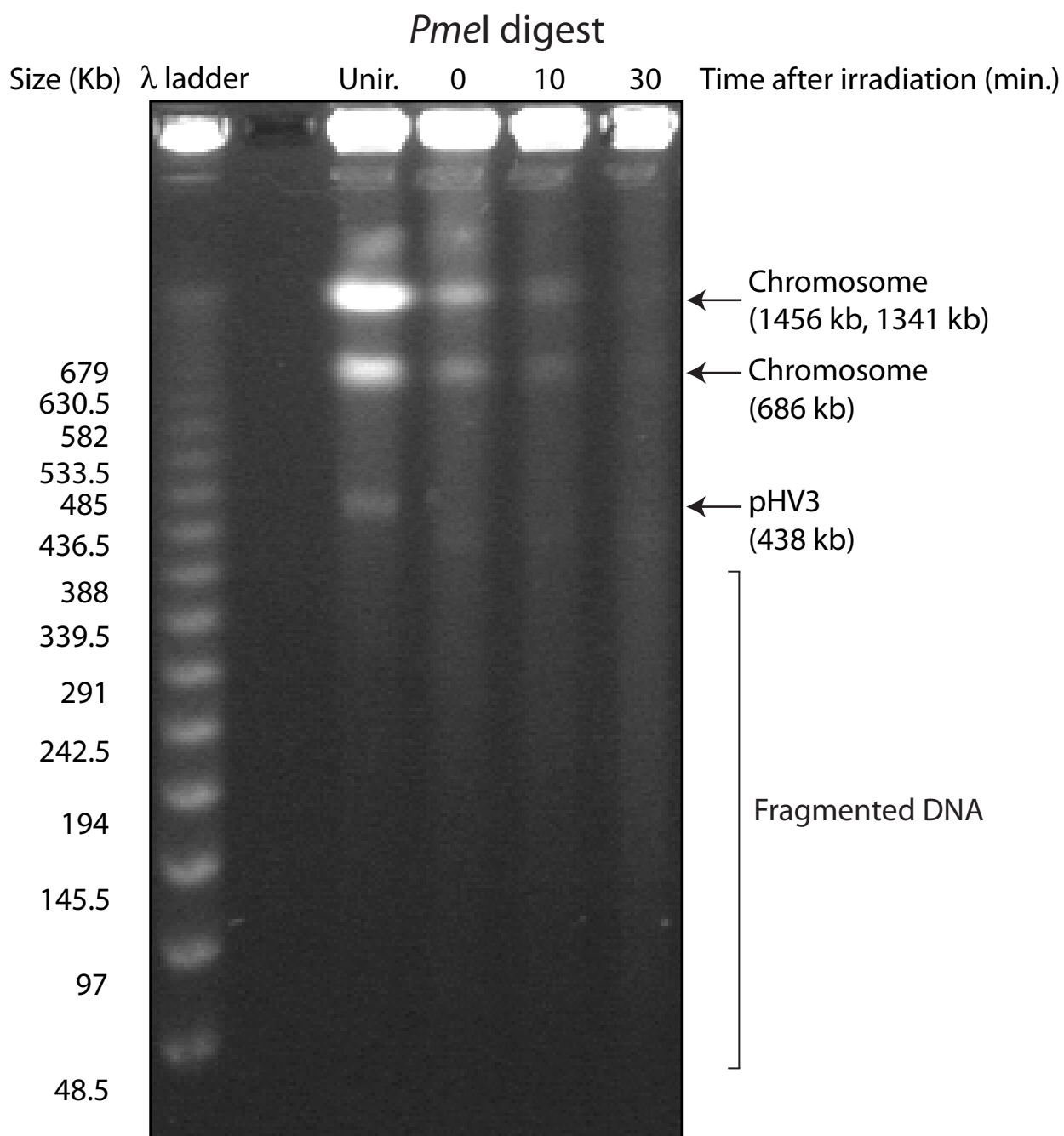
Supplementary Figure 1: UV irradiation leads to genome fragmentation

Samples of WT cell (H115) were taken immediately before (unirradiated, Unir.) and at 0, 10 and 30 minutes after irradiation with 180 J/m² UV. Genomic DNA in agarose plugs was digested with *PmeI* and subject to pulsed-field gel electrophoresis as described in (Delmas et al., 2009).

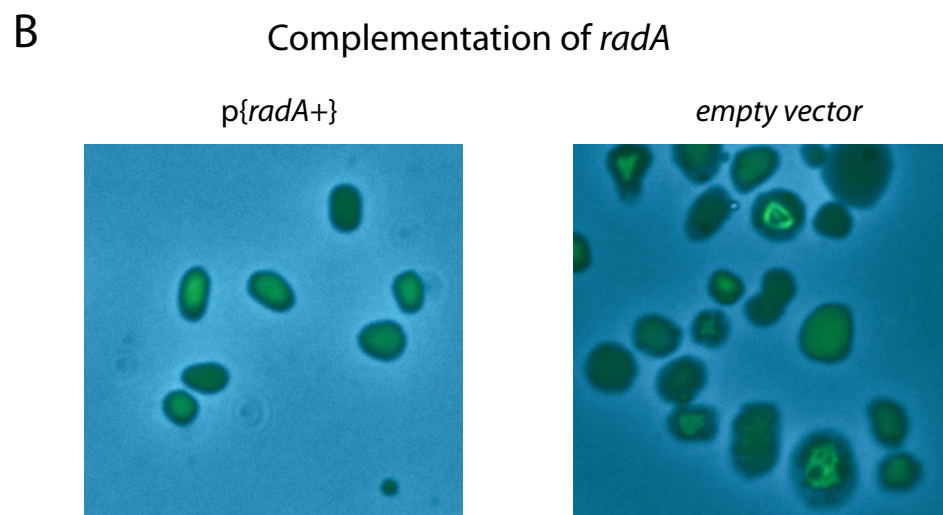
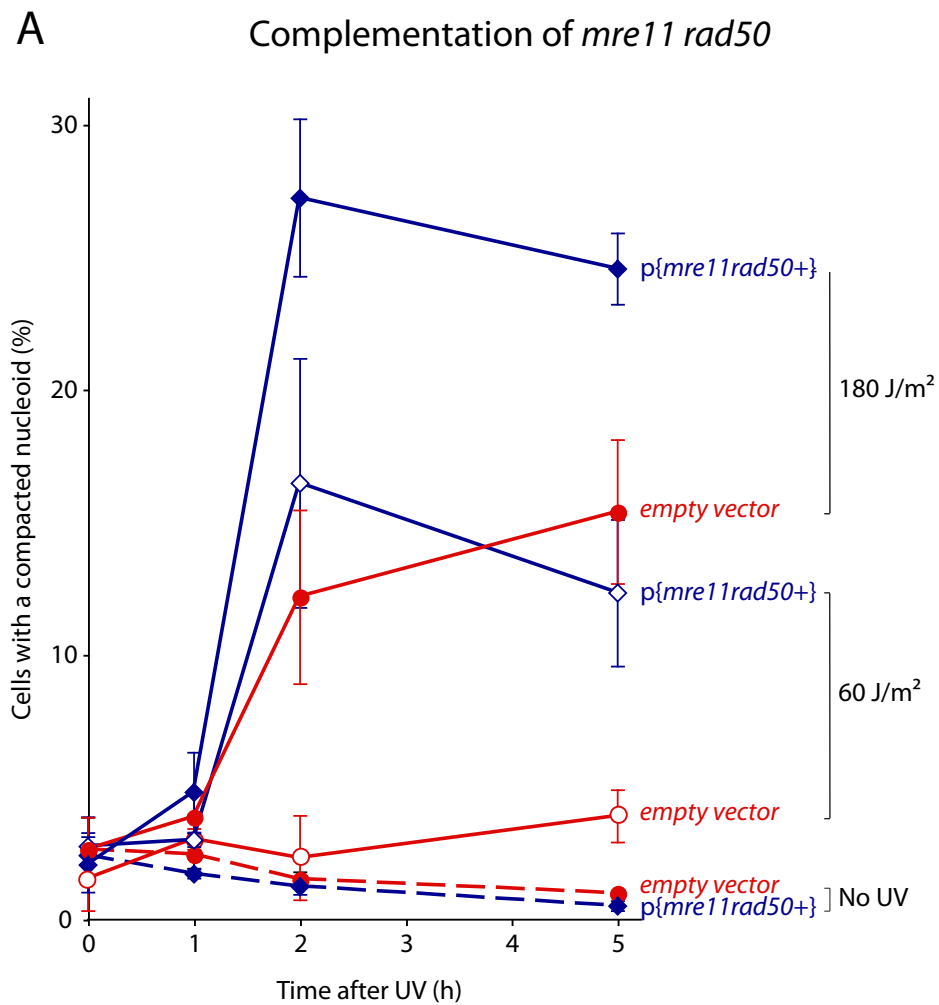
Supplementary Figure 2: Complementation of *mre11 rad50* and *radA* deletion.

(A) Percentage of cells with a compacted nucleoid determined by flow cytometry in H739 (H204 p{*mre11rad50+*}) and H732 (H204 *empty vector*) after irradiation with 0, 60 and 180 J/m² UV. Each point represents the mean (\pm SEM) values from 3 independent experiments.

(B) Fluorescence microscopy images (phase contrast in blue, DNA in green) of H380 (p{*radA+*}) and H385 (*empty vector*) cells 3 hours after irradiation with 180 J/m² UV.



Supplementary Figure 1



Supplementary Figure 2